APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Mechanism of the High Temperature Ma Hydrogenation of Aromatic Hydrocarbons, by E. I. Prokopets, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XI, No 10, 11, 1938, pp 1471-1474.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

The Heat Evaporation of Water From Phosphoric Acid Solutions of Various Concentrations at 80°, by K. I. Zagvozdkin, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XI, 1938, pp 1543-1547.

SLA R-2577

Sci - Chem

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Volatilization of Phosphorus and Fluorine From Khibinsk Apatite, by K. Zagvozdkin, S. Boltz, 11 pp.

RUSSIAN, pur, Zhur Prik Khim, Vol XI, 1938, pp 1548-1555.

SLA R-2579

Sci - Chem

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Belopol'skii, A. P., Taperova, A. A., and Shul'gina, M. N.
PHYSICOCHEMICAL ANALYSIS IN THE SULFURIC ACID TREATMENT OF PHOSPHATES: CONVERSIONS OF CALCIUM SULFATE CRYSTAL HYDRATES IN THE PRESENCE OF PHOSPHORIC ACID AT 80° C. [Jan 64] 12p
Order from ATS $16.75 ATS-46Q73R

Trans. of Zh[urnal] Prikl[adnoi] Khim[ii] (USSR) 1939, v. 12, no. 1, p. 3-12.

DESCRIPTORS: Phosphates, Sulfuric acid, *Phosphoric acids, Hydrates, Crystals, *Calcium compounds, *Sulfates, Chemical analysis.

(Chemistry--Physical, TT, v. 11, no. 10)

TT-64-12408

I. Belopol'skii, A. P.
II. Taperova, A. A.
III. Shul'gina, M. N.
IV. ATS-46Q73R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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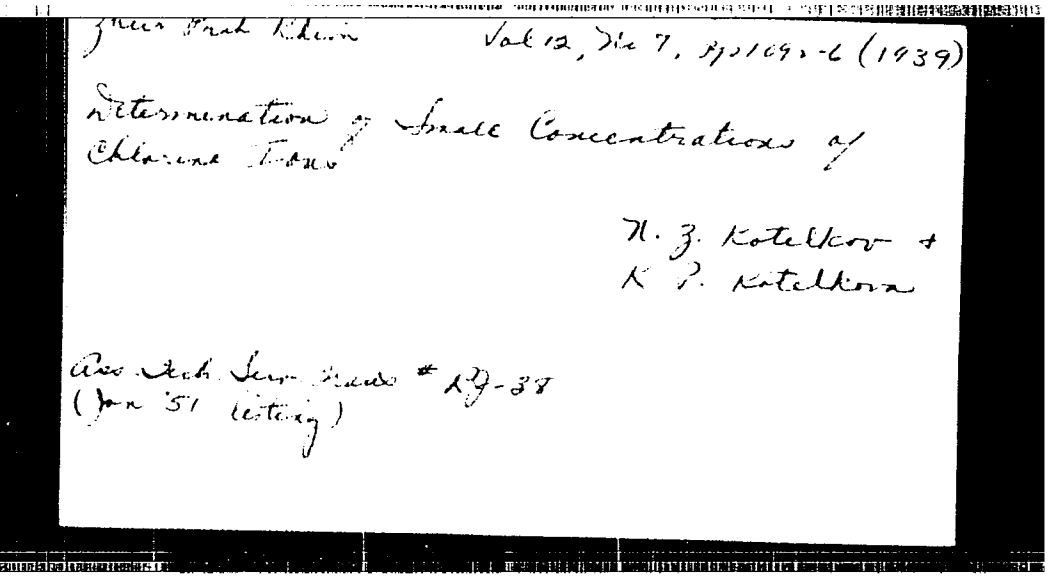

Amer Prof Chem Vol 12, No 7, pp 109-6 (1939)

Determination of Small Concentrations of Chlorine Trace

N. Z. Kotelkov +
K P. Kotelkova

Abs Tech Sci Pubs # 17-38
(Jan 51 listing)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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ATROSHCHENKO, V. I.

R-2957. Kinetics of absorption of nitrogen oxides by alkaline solutions. Zhur. Priklad Khim., 12, p.167-80, 1939. (20p.)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Chemistry of Titanium, XIII. Separation of Titanium Dioxide From Sulfuric Acid Solutions, by A. V. Pamfilov, M. G. Ivancheva, I. M. Soboleva, 13 pp. Mc.

RUSSIAN, pmr, Zhur Prik Khim, Vol XII, No 2, 1939, pp 226-233.

Sci Trans Center RT-873

Scientific - Chemistry

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Electrolytic Production of Manganese, by P. B. Zhivotinskiy, Zaretskiy, 10 pp.

RUSSIAN, per, Zhur Prikład Khim, Vol XII, 1939, pp 635-641.

SLA 57-1513

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Investigation in the Filed of Recover Volatile Solvent Vapours. IV. Investigation of the Sorption and Desorption of Chlorinated Organic Solvents on Activated Carbon, by E. V. Alekseyevskiy, Ya. D. Musin.

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 701-718.

MIL M.3439

Sci - Chem

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Kinetics of Cracking of Hydrocarbons Under Pressure, by M. D. Tilichoyev, 33pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 741-758.

CIA/FDD XX-829
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Apr 60
May

115/149

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

The Cathode Process During the Formation of a Diaphram-Like Layer, by I. G. Shcherbakov, L. V. Yumanova, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 826-830.

SLA/R-2459 also 63-18130

Sci
Apr 59

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Determination of the Structural Groups in Humic Acids, by R. R. Galle, A. G. Nikolayev, 15 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 6, 1939, pp 923-933.

SLA 59-22351

Sci

OTS, Vol III, No 7

Nov 60

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TN7 E57 No 258
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

A Laboratory Method for the Preparation of Liquid N_2O_4, by I. E. Ioshpa, O. P. Spiridonova, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 6, 1939, pp 951, 952. CIA 9021244

NIH

Sci - Chemistry
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CFSTI TT 64-19392

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Shcherbakov, I. G., Markov, B. F., and Azer'er, K. Ya.
THE ELECTROMOTIVE FORCE OF POLARIZATION IN THE ELECTROLYSIS OF FUSED CARNALLITE. II. INFLUENCE OF CERTAIN TECHNICAL ADMIXTURES IN CARNALLITE ON POLARIZATION. [1963] [10]p. 19 refs.
Order from OTS or SLA $1.10 63-18301

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1939, v. 12 [no. 7] p. 976-980.

DESCRIPTORS: *Polarization, *Electric potential, Electrolysis, Electrolytes, Potassium compounds, Sulfates, Calcium compounds, Fluorides, Barium compounds, Chlorides, Tests, Measurement, *Carnallite

The objective was to follow the action of sulfur, $BaCl_2$ and CaF_2 admixtures, possessing significance under technical conditions, in the electrolyte on the cathode process. (Author)

63-18301

I. Shcherbakov, I. G.
II. Markov, B. F.
III. Azer'er, K. Ya.
IV. Title: Influence...

(Chemistry--Physical, TT, v. 10, no. 11)
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Nikolaev, N. S.
REACTION OF HYDROGEN SULFIDE WITH SULFUR DIOXIDE IN AQUEOUS SOLUTIONS. [1963] [18p] 12refs
Order from OTS, SLA, or ETC $1.60 TT-63-20995

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1939, v. 12 [no. 7] p. 1013-1021.

DESCRIPTORS: *Hydrogen compounds, *Sulfides, *Sulfur compounds, Dioxides, Chemical reactions, Water, Solutions.

(Chemistry--Physical, TT, v. 11, no. 8)

TT-63-20995

1. Nikolaev, N. S.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Some Properties of Sodium Hexametaphosphate, by A. K. Bronnikov, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 9, 1939, pp 1286-1294.

SLA R-2474

Sci

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Effect of Sesquioxides on the Process of Formation of Silicon Carbide, by M. V. Kamentsev, 9 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XII, 1939, p 1330.

SLA Tr R-765

Sci - Physics
Sep 57

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On the Mechanism of Iodoxidation of Unsaturated Compounds, by V. I. Esafov

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 1387-1392.

AEC Tr 1109

Scientific - Chemistry

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Zvorykin, A. Ya. and Sokolovskii, A. D.
THE HEATING CURVES OF CARBOHYDRATES.
[1963] 5p. (figs. omitted).
Order from OTS or SLA $1.10 63-14876

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1939, v. 12, no. 9, p. 1430-1432.

DESCRIPTORS: *Heating, *Carbohydrates, Chemical analysis.

(Chemistry--Analytical, TT, v. 10, no. 5)

63-14876

I. Zvorykin, A. Ya.
II. Sokolovskii, A. D.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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The Effect of Calcination on the Solubilities of Glauconite and Phosphorite, by E. N. Isakov, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 1644-1652.

SLA R-2177

Sci

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Obtaining Sulphur and Ammonium Sulphate in the Presence of a Catalyst, by L. I. Kuzmin, V. P. Kosov, 8 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 12, 1939, pp 1775-1779.

Sci Mus Lib No 56/2449

Sci - Chemistry 42,548

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Bozhko, N. P.
CRACKING OF METHANE IN ELECTRIC ARC UNDER REDUCED PRESSURE, II. [1961] 9p 5refs
Order from OTS, SLA, or ETC $1.10 TT-61-16858

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1939, v. 12, no. 12, p. 1816-1825.

(Engineering--Chemical, TT, v. 12, no. 4)

TT-61-16858

1. Bozhko, N. P.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Preparation of Methyl Chloride From Natural Gas, by Yu. G. Mamedaliev, V.V. Dement'eva. 8 pp. RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 12, No 12, 1939, pp 1826-1834
SLA TT-61-16859

Sci/Chemistry
Jul 66

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Determination of Germanium by Means of 8-Hydroxyquinoline, by I. P. Alimarin, O. A. Alekseyeva, 9 pp.

RUSSIAN, per, Zhur Priklad Khim, Vol XII, 1939, pp 1900-1906.

SLA R-3310

Sci
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Investigation of Behavior of Titanium Carbide in Cemented Carbide Alloys, by G. A. Meerson and others.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, No 1, 1940.

Brutcher Tr 1642

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Scientific - Min/Metals $8.25

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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The Equilibrium of the System $P_2O_5H_2O$, by K. I. Zagvozdkin, Y. M. Rabinovich, N. A. Barilko, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 29-35.

SLA/R-2595
OTS 63-14609

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Apr 59

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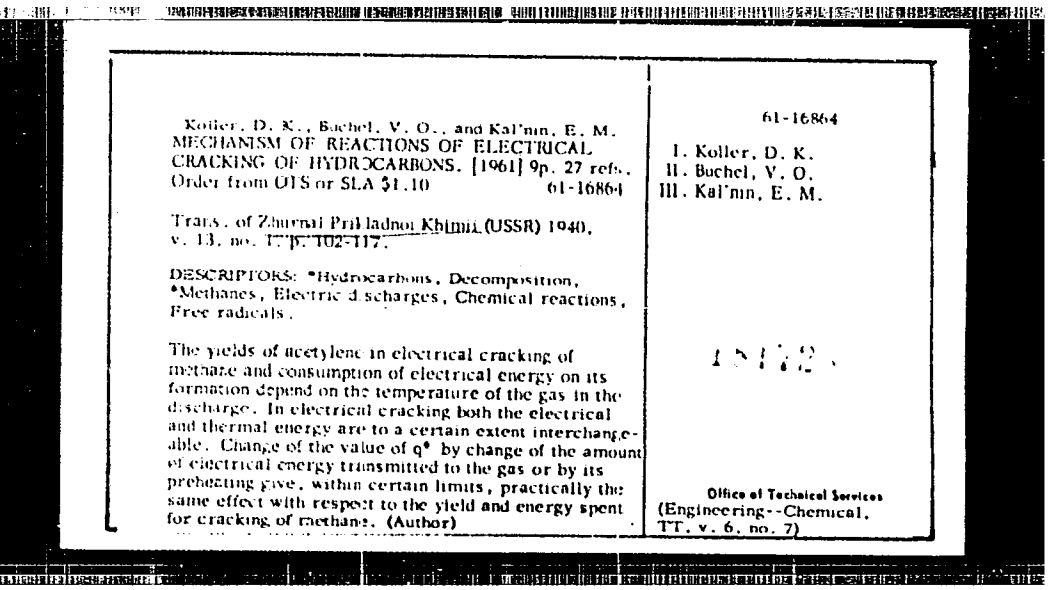

Koller, D. K., Buchel, V. O., and Kal'nin, E. M. MECHANISM OF REACTIONS OF ELECTRICAL CRACKING OF HYDROCARBONS. [1961] 9p. 27 refs. Order from OTS or SLA $1.10 61-16864

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 1, p. 102-117.

DESCRIPTORS: *Hydrocarbons, Decomposition, *Methanes, Electric discharges, Chemical reactions, Free radicals.

The yields of acetylene in electrical cracking of methane and consumption of electrical energy on its formation depend on the temperature of the gas in the discharge. In electrical cracking both the electrical and thermal energy are to a certain extent interchangeable. Change of the value of q* by change of the amount of electrical energy transmitted to the gas or by its preheating give, within certain limits, practically the same effect with respect to the yield and energy spent for cracking of methane. (Author)

61-16864

I. Koller, D. K.
II. Buchel, V. O.
III. Kal'nin, E. M.

Office of Technical Services
(Engineering--Chemical, TT, v. 6, no. 7)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Obtaining Regenerated Humic Acids From Carbonaceous Shales and Their Properties (Communication II) by L. A. Khristeva.

RUSSIAN, par, Zhur Prik Khim, Vol XXIII, No 1, 1950, p 132.

Dept of Interior
TN7 E57 No 450

115, 958

Sci - Chem

Dec 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Zh Priklad Khim Vol 13, page 170-80 (1940)

Treatment of Chromiferous Ores With Sulfuric Acid in the Presence of Oxides. Chromic Anhydride as an Oxidant. by K. I. Losev.

AEC Trans(Avail. Brookhaven)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Obolentsev, R.
MECHANISM OF HYDROGENATION OF UNSATURATED HYDROCARBONS. I. COMPOSITION OF TECHNICAL DIISOBUTENE. [1961] 10p. 12 refs.
Order from OTS or SLA $1.10 61-16865

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 2, p. 198-209.

DESCRIPTORS: *Hydrogenation, *Hydrocarbons, *Butenes, Ethylenes, Polymerization, Gases.

The structure of hydrocarbons composing technical diisobutene has been established. Within the boiling range of Butlerov's diisobutene (100.1 to 103.4°) the following isomers were found: 2,2-dimethyl-3-ethyl-3-butene, 2-methyl-3-isopropyl-3-butene and 3-methyl-3-ethyl-4-pentene. The contents of these isomers in technical diisobutene are of the order of magnitude of their contents in the Butlerov diisobutene. Other
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16865

I. Obolentsev, R.
II. Title: Composition...

185397

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Musatov, K. A. and Krymova, L. G.
MECHANISM OF DESULFURIZATION OF OIL DISTILLATES WITH ZINC CHLORIDE. [1961] 9p. 12 refs.
Order from OTS or SLA $1.10 61-16866

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 2, p. 227-234.

DESCRIPTORS: Hydrocarbons, *Kerosene, Benzine, *Sulfur compounds, Oils, *Desulfurization, Zinc compounds, Chlorides.

When zinc chloride is deposited from its aqueous solutions on a porous carrier, zinc oxide and zinc hydroxide are formed by hydrolysis and deposited together with the zinc chloride. In desulfurization with solid zinc chloride, its oxygen compounds have a decisive effect on the extent of desulfurization of the distillate and on the combination of hydrogen sulfide. Taking this into
(Chemistry--Physical, TT, v. 6, no. 9) (over)

61-16866

I. Musatov, K. A.
II. Krymova, L. G.

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Musatov, K. A. and Nifontova, S. S.
VAPOR PHASE OXIDATION OF SULFUROUS AND AROMATIC DISTILLATES WITH SULFURIC ACID. [1961] 6p. 9 refs.
Order from OTS or SLA $1.10 61-16867

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 2, p. 235-241.

DESCRIPTORS: Benzine, Hydrocarbons, *Sulfur compounds, Oxidation, Sulfuric acid.

In oxidation of oil distillates with sulfuric acid, carbon and coke catalytically decompose the non-volatile oxidation products, liberating hydrogen sulfide. Olefins and sulfur compounds are oxidized in the vapor phase much more rapidly than the paraffins and aromatics of similar boiling range. In the presence of olefins of sulfur compounds in amounts of 5-10% and higher con-
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16867

I. Musatov, K. A.
II. Nifontova, S. S.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Technology of Producing Heavy Water, by V. A. Aleksandrovich, M. K. Shelud'ko,

RUSSIAN, mo per, Zhur Prik Khimii, Vol XIII, No 4, 1940, pp 483-498.

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Scientific - Chemistry

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Physicochemical Analysis in the Field of Sulfuric Acid Treatment of Phosphates, IV, by A. A. Taperova, 18 pp. c

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 643-651.

SLA R-3349

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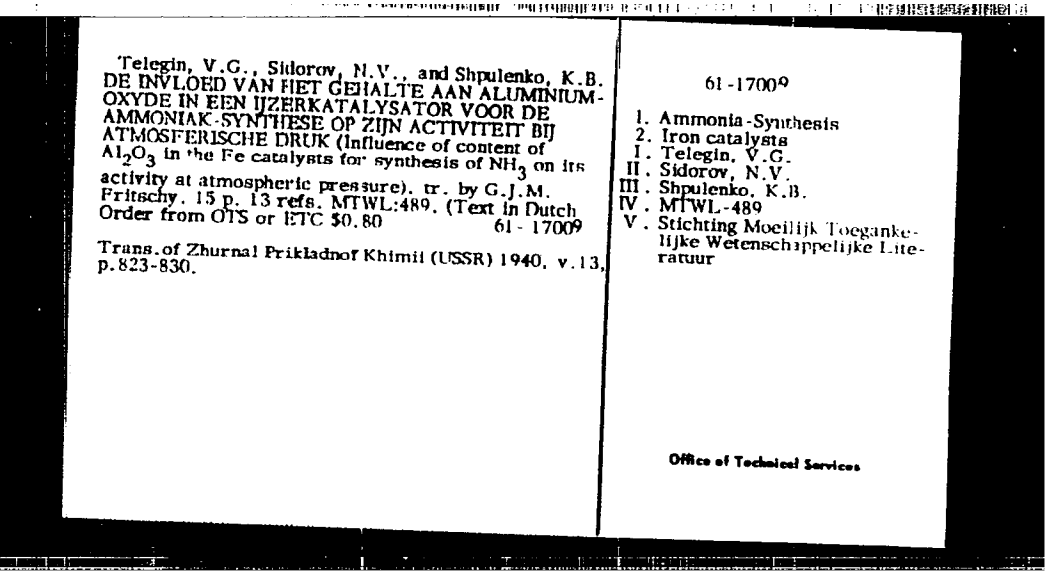

Telegin, V.G., Sidorov, N.V., and Shpulenko, K.B. DE INVLOED VAN HET GEHALTE AAN ALUMINIUM-OXYDE IN EEN IJZERKATALYSATOR VOOR DE AMMONIAK-SYNTHESE OP ZIJN ACTIVITEIT BIJ ATMOSFERISCHE DRUK (Influence of content of Al_2O_3 in the Fe catalysts for synthesis of NH_3 on its activity at atmospheric pressure). tr. by G.J.M. Fritschy. 15 p. 13 refs. MTWL:489. (Text in Dutch Order from OTS or ETC $0.80 61 - 17009

Trans. of Zhurnal Prikladnof Khimii (USSR) 1940, v.13, p.823-830.

61-17009

1. Ammonia-Synthesis
2. Iron catalysts
I. Telegin, V.G.
II. Sidorov, N.V.
III. Shpulenko, K.B.
IV. MTWL-489
V. Stichting Moeilijk Toeganke-lijke Wetenschappelijke Lite-ratuur

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Theory of Equilibruim Concentrations in a Continuously Flowing Solution and its Application to Continuous and Standard Reactions of Various Chemical Processes, by N. I. Kirillov, 40 pp.

RUSSIAN

RESUMAR, Per, Zhur Prik Khim, 1940, Vol XIII, No 7, pp 978-1002.

SLA 59-10542
SLA 65-17377

Sci
Oct 59
Vol 2, No 3

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Dynamics of the Adsorption of Acetylene by Silica Gel from Oxygen-Nitrogen Solution, by I. P. Iahkin, P. Z. Burbo, 14 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XIII, No 7, 1940, pp 1022-1027.

Sci Tr Ctr RT-3846

Sci - Chemistry
Aug 56 CTS/dex

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Phenolic Theory of Coal Oxidation, by
B. V. Tronov, 8 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XIII,
No 7, 1940, pp 1053-1059.

Sci Tr Center
RT-12213

Scientific - Chemistry
CIM 70/Jul 51

25,213

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Characteristics of Coumarin Solutions in Mineral Acids and a New Method of Isolation of Pure Coumarin, by A. K. Shumeiko.

RUSSIAN, PER, Zhur Prik Khim, Vol XIII, 1940, XXX pp 1204-1207.

Assoc Tech Sv
$6.50 Tr RJ-805

Sci - Chemistry
Aug 57

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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KREIMER, G. S.

Zhurnal Prikladnoi Khimii, vol. 13, 1940, pp. 1267-1270; 2 tables, 1400 words.

Simultaneous Reduction of the Oxides of Iron, Titanium and Columbium with Aluminum.

Brutcher Trans, Order No. 1073, $2.80

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Combustion of Carbon. V. Comustion of the Coal Layer, by Z. F. Chukhanov, E. A. Karjavina, 30 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol X, No 15, 1940, pp 1256-1267.

SLA 59-10781

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Nov 59
Vol 2, No 3

101,553

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

"Chemistry of Titanium, XVII. The Effect of Calcination on the Properties of Titanium Dioxide, by A. V. Pamfilov, E. G. Ivancheva, K. P. Trekhletov, 8 pp.
Ya.

RUSSIAN, DSK. Zhur Prik Khim, Vol XIII, No 9, 1940, pp 1 10-1314.

Sci Trans Center RT-877

14,040

Scientific - Chemistry CTS/DSK

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Kinetics of the Absorption Process and Test of Packing in the Gay-Lussac Semi-Industrial Tower, by I. N. Kuz'minykh, E. V. Tushmanov, I. A. Apakhov, 15 p .

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 1417-1426.

SLA R-3029

Sci

Jul 59

92,413

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

On the Precipitation of Tin With Phenylarsonic Acid, by V. I. Kuznetsov, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 1512-1516.

AEC UCRL-Tr-572(L)

Sci - Chem
21 Feb 61

140, 914

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Application of the Potentiometric Titration Method in the Chemical Investigation of Soap, by A. P. Vishniskov and N. A. Rodichev, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, No 10, 1940, pp 1517-1522.

ASsoc Tech Serv

Sci

72,825

Aug 58

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Physicochemical Properties of Rare Metals. II. The Diagrams of State of the Systems $ZrCl_4$-NaCl and ZrO_2-CaCl, by N. A. Belozerskiy, O. A. Kucherenko.

RUSSIAN, per. Zhur Prik Khim, Vol XIII, No 11, 1940.

AEC Tr 113
AEC Tr 325

Scientific - Chemistry 15,840

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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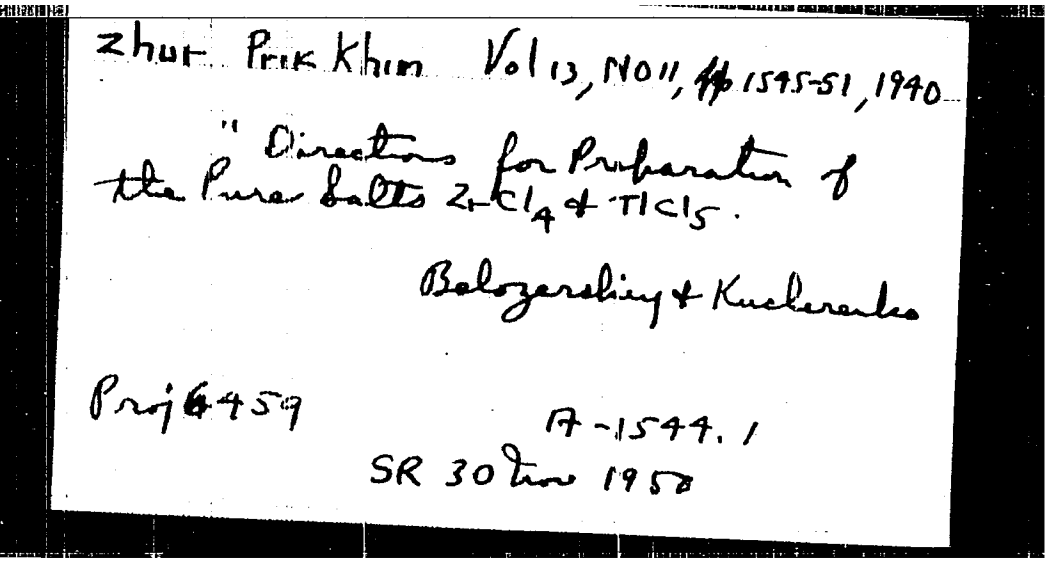

Zhur Prik Khim Vol 13, No 11, pp 1545-51, 1940

"Directions for Preparation of the Pure Salts $ZrCl_4$ & $TlCl_3$.

Belozerskiy & Kucherenko

Proj 6459

A-1544.1

SR 30 Jun 1950

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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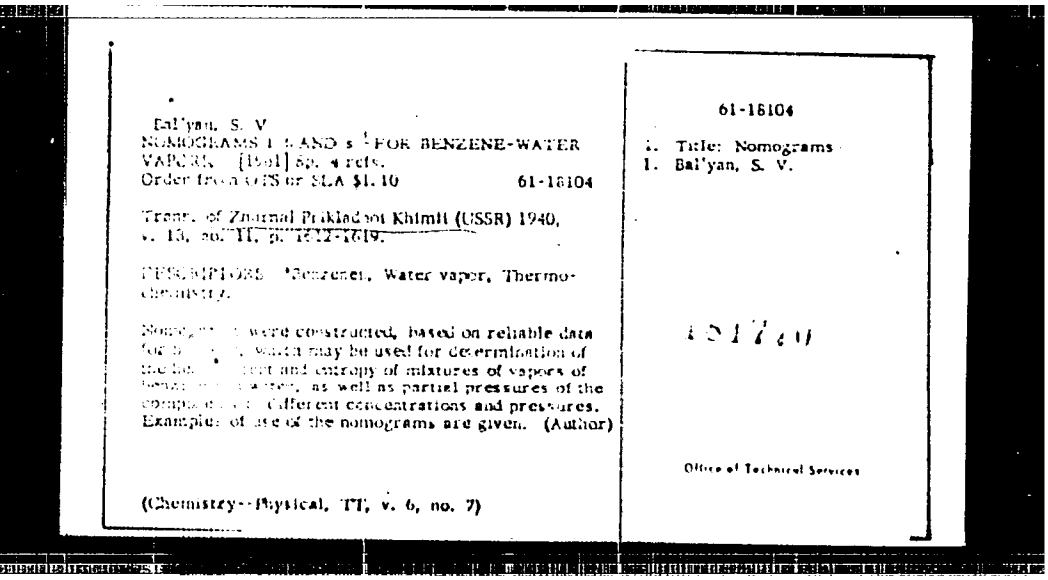

Bal'yan, S. V
NOMOGRAMS I, S AND s FOR BENZENE-WATER VAPORS. [1941] 8p. 4 refs.
Order from OTS or SLA $1.10 61-16104

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 11, p. 1612-1619.

DESCRIPTORS: *Benzene, Water vapor, Thermochemistry.

Nomograms were constructed, based on reliable data for [illegible], which may be used for determination of the heat content and entropy of mixtures of vapors of benzene and water, as well as partial pressures of the components at different concentrations and pressures. Examples of use of the nomograms are given. (Author)

(Chemistry--Physical, TT, v. 6, no. 7)

61-16104

1. Title: Nomograms
1. Bal'yan, S. V.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Synthesis of Vinyl Acetate in the Vapor Phase, by S. N. Uchakov, E. N. Rostovskiy, I. A. Arbuzova, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, No 11, 1940, pp 1789-1793.

CIA/FDD/X-1246

Scientific - Chemistry
CTS/DEX

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Preparing Rubidium and Cesium by Reducing Their Chlorides, by V. D. Polyakov, A. A. Fedorov, 8 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 1833-1838.

LC or SLA 59-10007

Sci - Chemistry
Feb 59

1.80

82,005

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

The Kinetics of the Dissociation of Pyrite, by G. I. Chufarov, V. S. Udintseva,

RUSSIAN, mo per, Zhur Prik Khim, Vol XIV, No 1, 1941, pp 3-10.

Sci Tr Center RR TT.371

Scientific - Chemistry

British Chem and Stat Ind 9,147 (no number given).

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

The Vapor Pressure of Fluosilicic Acid Solutions, by V. S. Yatlov, E. N. Pimayevskaya.

RUSSIAN, no per, Zhur Prik Khim, Vol XIV, No 1, 1941, pp 11-13.

Assoc Tech Dv RJ-526
$4.25 ($.85)

Sci - Chemistry
Apr 1957 OTS/dax

46,783

SLA R-2955

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Velocities of High-Temperature Processes. I. Kinetics of the Reduction of Magnesium Oxide by Various Reagents, by A. S. Mikulinskiy, 17 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, 1941, pp 19-29.

SLA/R-2517

Sci
Apr 59

84,884

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Velocities of High-Temperature Processes, by A. S. Mukhlinskiy, P. S. Maron, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, 1941, pp 30-38.

SLA R-2513

Sci & Engr

Jun 59

89,559

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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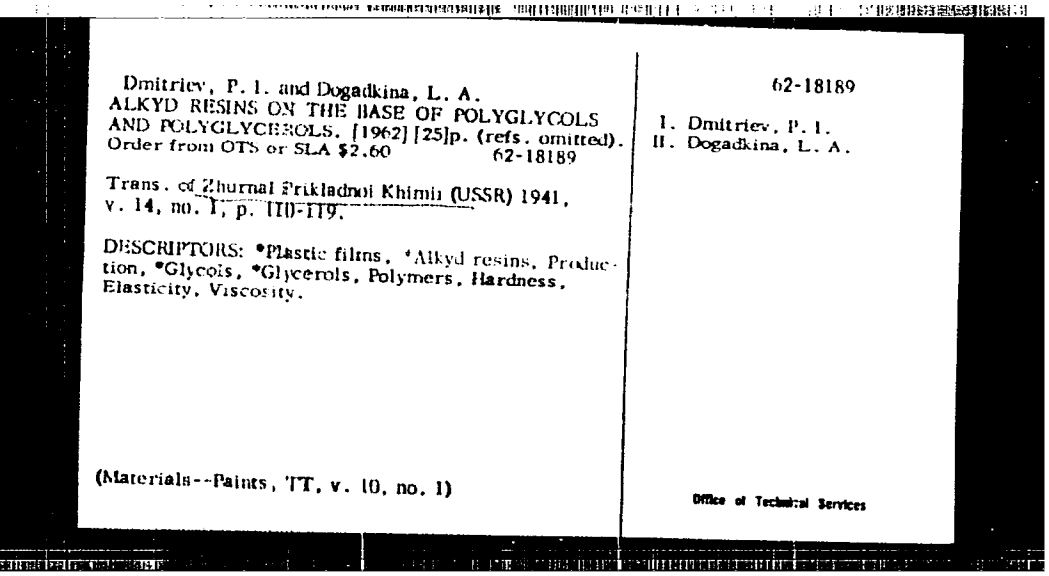

Dmitriev, P. I. and Dogadkina, L. A.
ALKYD RESINS ON THE BASE OF POLYGLYCOLS AND POLYGLYCEROLS. [1962] [25]p. (refs. omitted).
Order from OTS or SLA $2.60 62-18189

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, no. 1, p. 110-119.

DESCRIPTORS: *Plastic films, *Alkyd resins, Production, *Glycols, *Glycerols, Polymers, Hardness, Elasticity, Viscosity.

(Materials--Paints, TT, v. 10, no. 1)

62-18189

I. Dmitriev, P. I.
II. Dogadkina, L. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Study of Conditions of Carburization of Titanium, by G. A. Meerson and Ya. M. Lipken.

RUSSIAN, Zhurnal Prik Khim, Vol. XIV, No 3, 1941.

Brutcher Tr 2099

4103

Scientific • Min/Metals $2.80

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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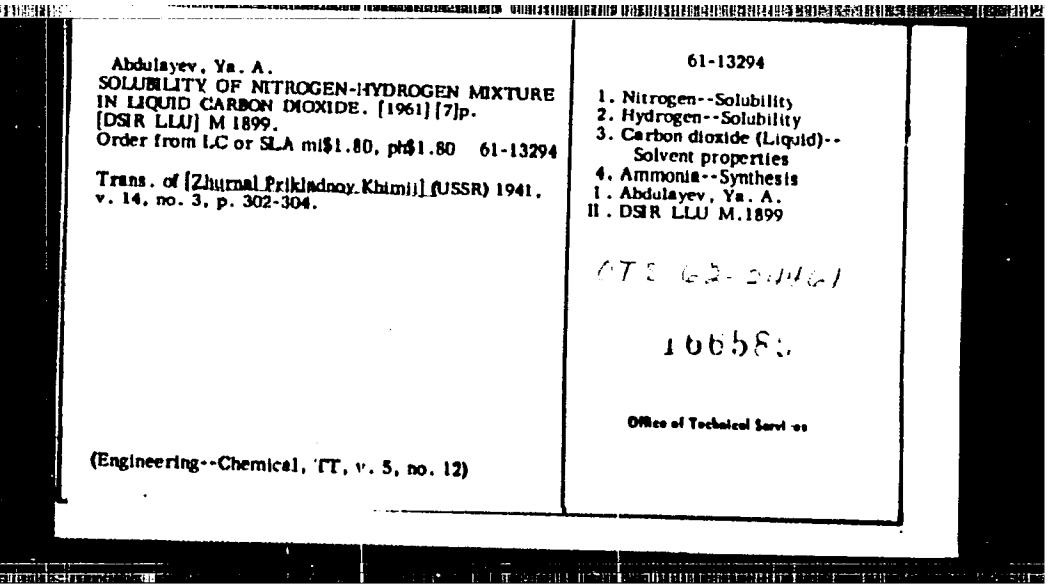

Abdulayev, Ya. A.
SOLUBILITY OF NITROGEN-HYDROGEN MIXTURE IN LIQUID CARBON DIOXIDE. [1961] [7]p.
[DSIR LLU] M 1899.
Order from LC or SLA mi$1.80, ph$1.80 61-13294

Trans. of [Zhurnal Prikladnoy Khimii] (USSR) 1941, v. 14, no. 3, p. 302-304.

(Engineering--Chemical, TT, v. 5, no. 12)

61-13294

1. Nitrogen--Solubility
2. Hydrogen--Solubility
3. Carbon dioxide (Liquid)--Solvent properties
4. Ammonia--Synthesis
I. Abdulayev, Ya. A.
II. DSIR LLU M.1899

OTS 62-20162

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Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Concerning Certain Factors That Determine the Electrical Properties of the Lead Accumulator, by P. D. Samsonov, N. G. Kuznetsova, 45 pp.

RUSSIAN, Per, Zhur Prik Khim, 1941, Vol XIV, pp 317-334.

SLA 59-10133

K-H 9215

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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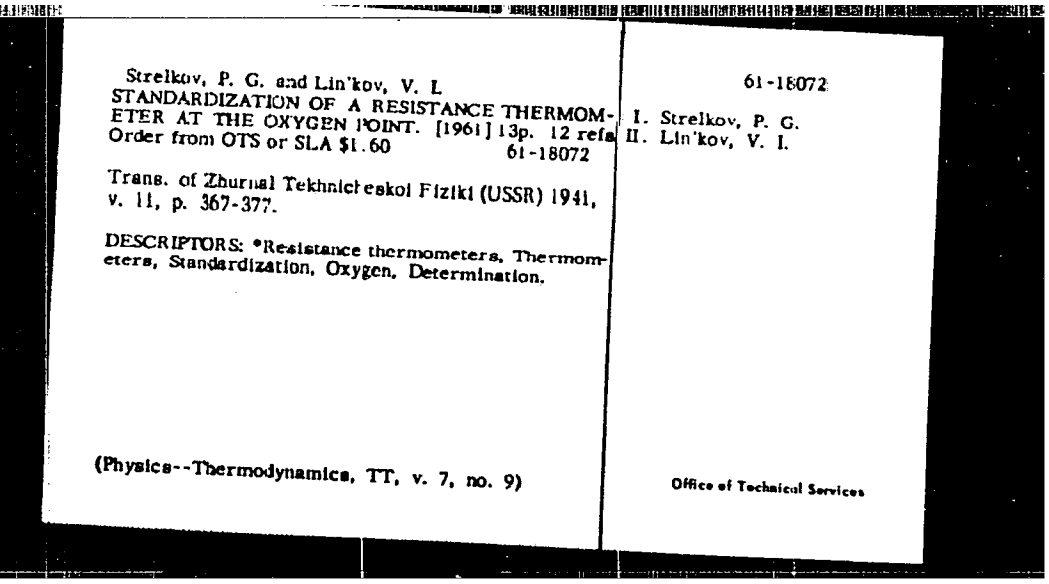

Strelkov, P. G. and Lin'kov, V. I.
STANDARDIZATION OF A RESISTANCE THERMOMETER AT THE OXYGEN POINT. [1961] 13p. 12 refs
Order from OTS or SLA $1.60 61-18072

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1941, v. 11, p. 367-377.

DESCRIPTORS: *Resistance thermometers, Thermometers, Standardization, Oxygen, Determination.

(Physics--Thermodynamics, TT, v. 7, no. 9)

61-18072
I. Strelkov, P. G.
II. Lin'kov, V. I.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

A Comparison of the Frothing-Over in a Steam Boiler With a Geyser Eruption, by S. A. Durov.

RUSSIAN, per, Zhur Prik Khim, No 3, 1941, pp 368-371.

MLL M. 3028

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Feb 62

186, 857

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Zal'kind, Yu. and Khuskivadze, A.
PREPARATION OF DIBASIC ACIDS FROM OIL DISTILLATES. [1961] 4p. 8 refs.
Order from OTS or SLA $1.10 61-16881

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, no. 3, p. 435-409.

DESCRIPTORS: *Kerosene, Oxidation, *Dibasic acids, Synthesis, Adipic acid.

Experiments of oxidation of kerosene fractions with nitric acid of specific gravity 1.4 are reported. The best yield (12.26%) of dibasic acids was obtained from an oil fraction boiling at 210-215°; of these, 6.12% consisted of adipic acid. The yield of the latter increases in the presence of vanadium pentoxide. Oxidation of decalin with nitric acid gives glutaric and oxalic acids; when other petroleum hydrocarbons are added, adipic acid (Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16881

I. Zal'kind, Yu.
II. Khuskivadze, A.

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Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Balandin, A. A., Zelinskii, N. D. and others.
PREPARATION OF 1, 3-BUTADIENE BY CATALYTIC DEHYDROGENATION OF 1-BUTENE. [1961] 9p. 15 refs.
Order from OTS or SLA $1.10 61-18011

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 435-445.

DESCRIPTORS: *Butadienes, Synthesis, *Butenes, Dehydrogenation, Catalysis.

The catalytic dehydrogenation of 1-butene to 1, 3-butadiene was investigated in the presence of carbon dioxide or nitrogen. The conditions were established under which butadiene is formed in yields of up to 34% on the passed, or 77% on the decomposed, butene. The reaction is carried out under atmospheric pressure, at 600°, with a contact period of 0.3 seconds and dilution of butene with carbon dioxide in the ratio of 1:7.5 by

(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18011

I. Balandin, A. A.
II. Zelinskii, N. D.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Rakovskii, E. V. and Burinova, O. A.
PRODUCTION OF HYDROGEN BY CONVERSION OF HYDROCARBONS WITH STEAM. [1961] 17p. 13 refs.
Order from OTS or SLA $1.60 61-16917

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 449-465.

DESCRIPTORS: *Hydrogen, Production, *Hydrocarbons, Decomposition.

With the aid of catalysts composed of nickel and oxides of heavy metals, an extent of conversion of lower saturated and unsaturated aliphatic hydrocarbons can be achieved corresponding to the theoretical limit. The temperature of complete conversion of hydrocarbons with steam, including methane, does not exceed 750-800°. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16917

I. Rakovskii, E. V.
II. Burinova, O. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Kinetics of Oxidation of Ammonia by Air Enriched with Oxygen, by V. I. Atroshchenko, E. G. Sedasheva, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, 1941, pp 500-506.

SLA
R-2959

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Jul 59

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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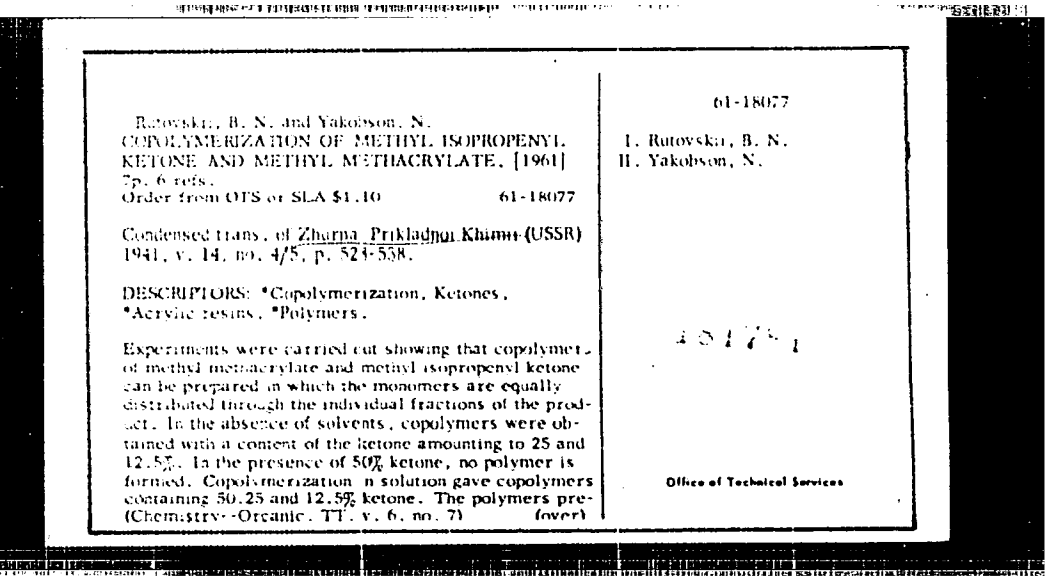

Rutovskii, B. N. and Yakobson, N.
COPOLYMERIZATION OF METHYL ISOPROPENYL KETONE AND METHYL METHACRYLATE. [1961] 2p. 6 refs.
Order from OTS or SLA $1.10 61-18077

Condensed trans. of Zhurna Prikladnoi Khimii (USSR) 1941, v. 14, no. 4/5, p. 524-538.

DESCRIPTORS: *Copolymerization, Ketones, *Acrylic resins, *Polymers.

Experiments were carried out showing that copolymers of methyl methacrylate and metayl isopropenyl ketone can be prepared in which the monomers are equally distributed through the individual fractions of the product. In the absence of solvents, copolymers were obtained with a content of the ketone amounting to 25 and 12.5%. In the presence of 50% ketone, no polymer is formed. Copolymerization in solution gave copolymers containing 50.25 and 12.5% ketone. The polymers pre-
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18077

I. Rutovskii, B. N.
II. Yakobson, N.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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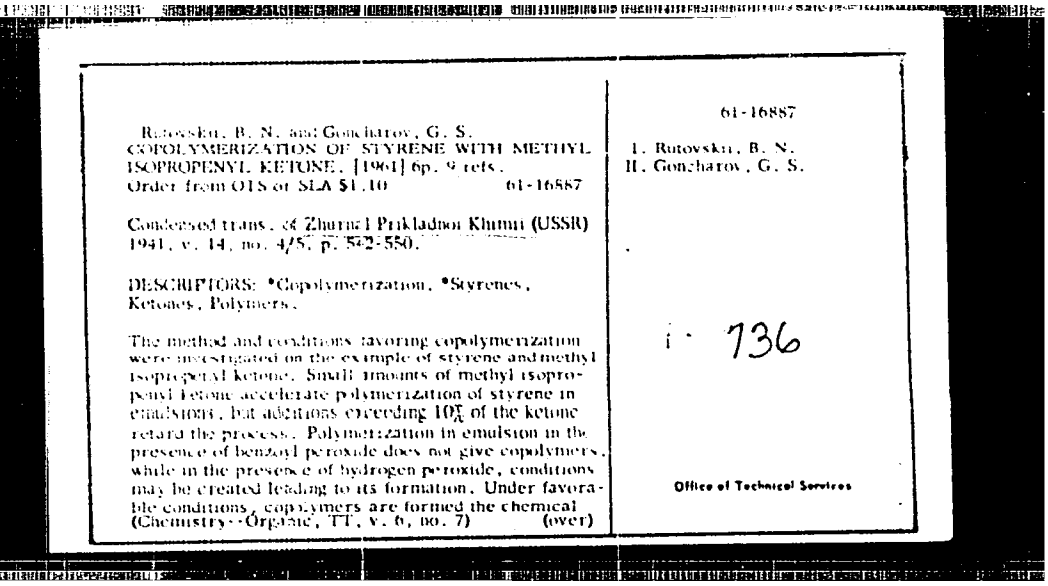

Rotovskii, B. N. and Goncharov, G. S.
COPOLYMERIZATION OF STYRENE WITH METHYL ISOPROPENYL KETONE. [1961] 6p. 9 refs.
Order from OTS or SLA $1.10 61-16887

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, no. 4/5, p. 542-550.

DESCRIPTORS: *Copolymerization, *Styrenes, Ketones, Polymers.

The method and conditions favoring copolymerization were investigated on the example of styrene and methyl isopropenyl ketone. Small amounts of methyl isopropenyl ketone accelerate polymerization of styrene in emulsion, but additions exceeding 10% of the ketone retard the process. Polymerization in emulsion in the presence of benzoyl peroxide does not give copolymers, while in the presence of hydrogen peroxide, conditions may be created leading to its formation. Under favorable conditions, copolymers are formed the chemical
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16887

I. Rotovskii, B. N.
II. Goncharov, G. S.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Pavlovich, P. I.
POLYMERIZATION OF VINYL CHLORIDE IN SOLUTIONS AND EMULSIONS, II. [1961] 10p. 20 refs.
Order from OTS or SLA $1.10 61-16971

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 555-558.

DESCRIPTORS: *Vinyl chlorides, *Polymerization, Polymers, Benzoyl radicals, Peroxides, Colloids, Stability, Benzaldehydes, Acetaldehydes, Acetic acids, Hydrogen compounds, Barium compounds, Catalysts, Solutions.

It was proved that benzoyl peroxide can be substituted for polymerization of vinyl chloride by hydrogen peroxide or barium peroxide and easily oxidizable substances, namely, benzaldehyde, acetaldehyde, acetic acid, acetic anhydride. Acetyl benzoyl peroxide gave (Chemistry--Organic, TT, v. 6, no. 10) (over)

61-16971

I. Pavlovich, P. I.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

A Study of the Effect of the Conditions of Formation on the Physico-Mechanical Properties of Cellulose Acetate Films, by A. A. Moyseyev, Z. A. Rogovin, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, No 4/5, 1941, pp 579-585.

SLA 59-10728

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Vol II, No 3

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Investigations in the Field of the Azo Dyes. II. Soluble Forms of Insoluble Azo Dyes, by V. N. Ufimtsev, 11 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XIV, No 4/5, 1941, pp 600-604.

NIH Tr 7-20

50, 745

Sci - Chem
Aug 57

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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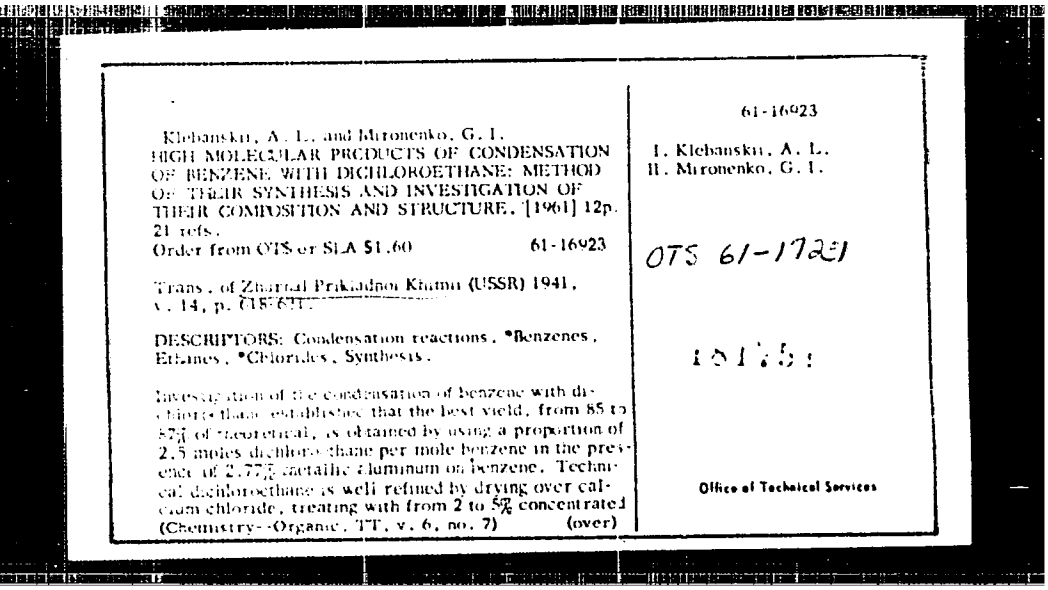

Klebanskii, A. L. and Mironenko, G. I.
HIGH MOLECULAR PRODUCTS OF CONDENSATION OF BENZENE WITH DICHLOROETHANE: METHOD OF THEIR SYNTHESIS AND INVESTIGATION OF THEIR COMPOSITION AND STRUCTURE. [1961] 12p. 21 refs.
Order from OTS or SLA $1.60 61-16923

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 618-621.

DESCRIPTORS: Condensation reactions, *Benzenes, Ethanes, *Chlorides, Synthesis.

Investigation of the condensation of benzene with dichloroethane establishes that the best yield, from 85 to 87% of theoretical, is obtained by using a proportion of 2.5 moles dichloroethane per mole benzene in the presence of 2.7% metallic aluminum on benzene. Technical dichloroethane is well refined by drying over calcium chloride, treating with from 2 to 5% concentrated
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16923

I. Klebanskii, A. L.
II. Mironenko, G. I.

OTS 61-17231

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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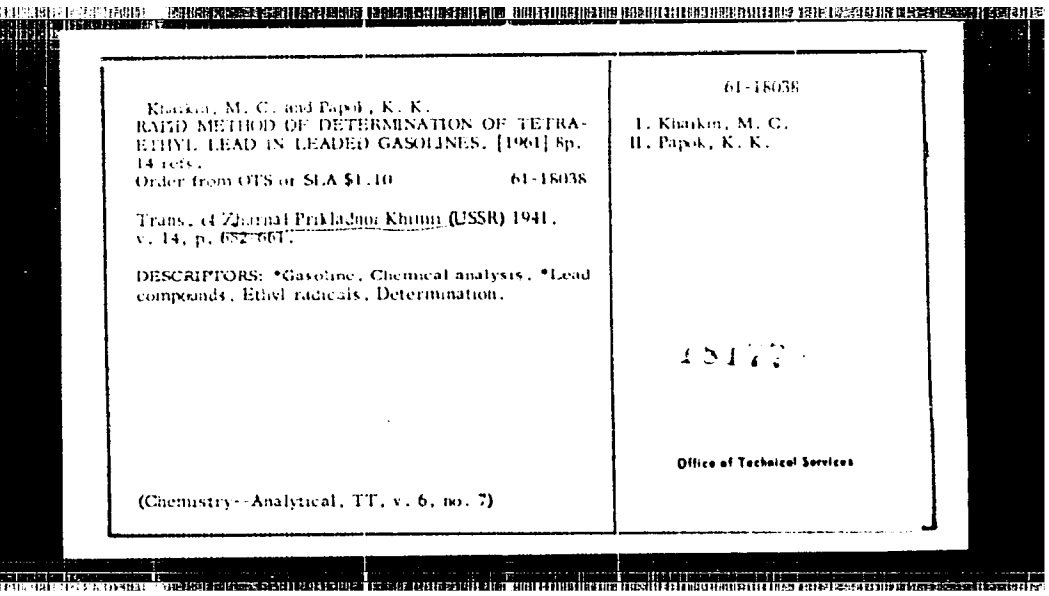

Khankin, M. C. and Papok, K. K.
RAPID METHOD OF DETERMINATION OF TETRAETHYL LEAD IN LEADED GASOLINES. [1961] 8p. 14 refs.
Order from OTS or SLA $1.10 61-18038

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 652-661.

DESCRIPTORS: *Gasoline, Chemical analysis, *Lead compounds, Ethyl radicals, Determination.

(Chemistry--Analytical, TT, v. 6, no. 7)

61-18038

I. Khankin, M. C.
II. Papok, K. K.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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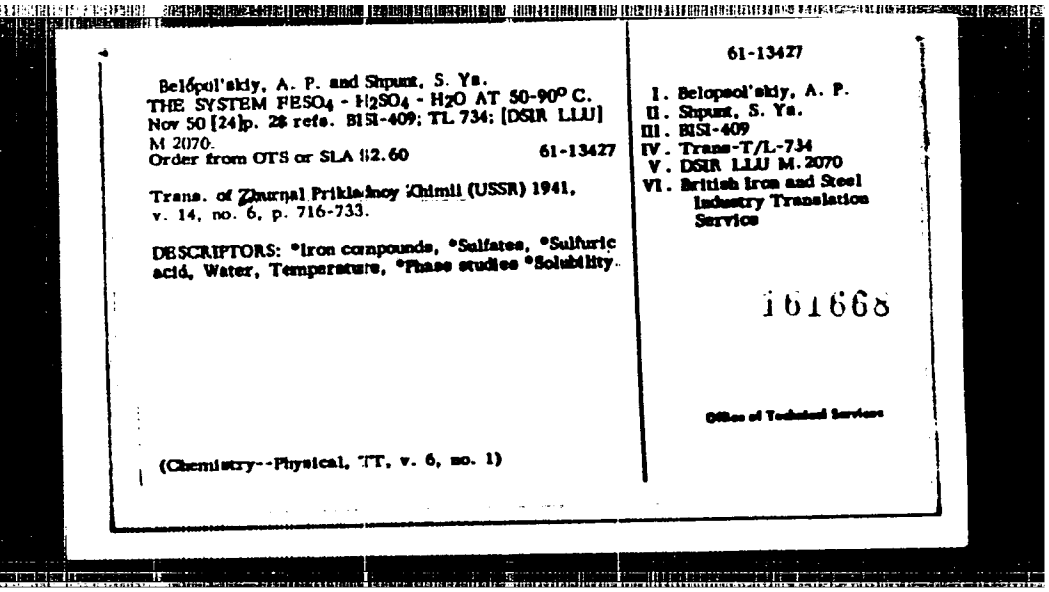

Belopol'skiy, A. P. and Shpunt, S. Ya.
THE SYSTEM $FeSO_4$ - H_2SO_4 - H_2O AT 50-90° C.
Nov 50 [24]p. 28 refs. BISI-409; TL 734; [DSIR LLU] M 2070.
Order from OTS or SLA $2.60 61-13427

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1941, v. 14, no. 6, p. 716-733.

DESCRIPTORS: *Iron compounds, *Sulfates, *Sulfuric acid, Water, Temperature, *Phase studies *Solubility.

(Chemistry--Physical, TT, v. 6, no. 1)

61-13427

I. Belopol'skiy, A. P.
II. Shpunt, S. Ya.
III. BISI-409
IV. Trans-T/L-734
V. DSIR LLU M. 2070
VI. British Iron and Steel Industry Translation Service

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Zh Prikl ad Khim Vol 14, page 783-9 (1941)

Contact Surfaces of the Phases as the Main Factor of Chlorination of Sodium Sulfate. by B. A. Kopylev and L. P. Svyantnaya.

AEC Trans (avail. Brookhaven)

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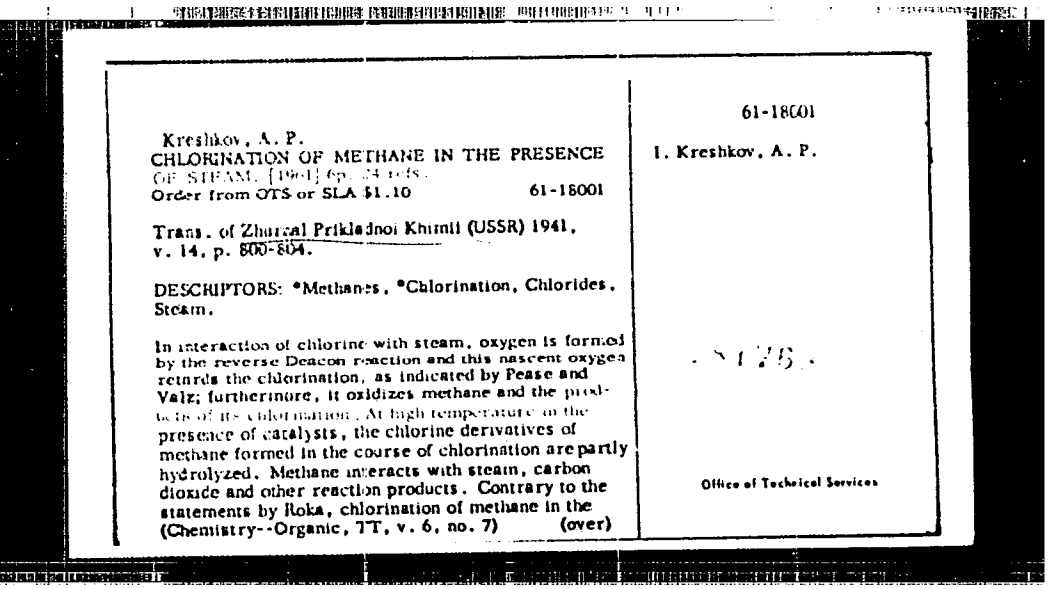

Kreshkov, A. P.
CHLORINATION OF METHANE IN THE PRESENCE OF STEAM. [1961] 6p. 24 refs.
Order from OTS or SLA $1.10 61-18001

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 800-804.

DESCRIPTORS: *Methanes, *Chlorination, Chlorides, Steam.

In interaction of chlorine with steam, oxygen is formed by the reverse Deacon reaction and this nascent oxygen retards the chlorination, as indicated by Pease and Walz; furthermore, it oxidizes methane and the products of its chlorination. At high temperatures in the presence of catalysts, the chlorine derivatives of methane formed in the course of chlorination are partly hydrolyzed. Methane interacts with steam, carbon dioxide and other reaction products. Contrary to the statements by Roka, chlorination of methane in the
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18001

I. Kreshkov, A. P.

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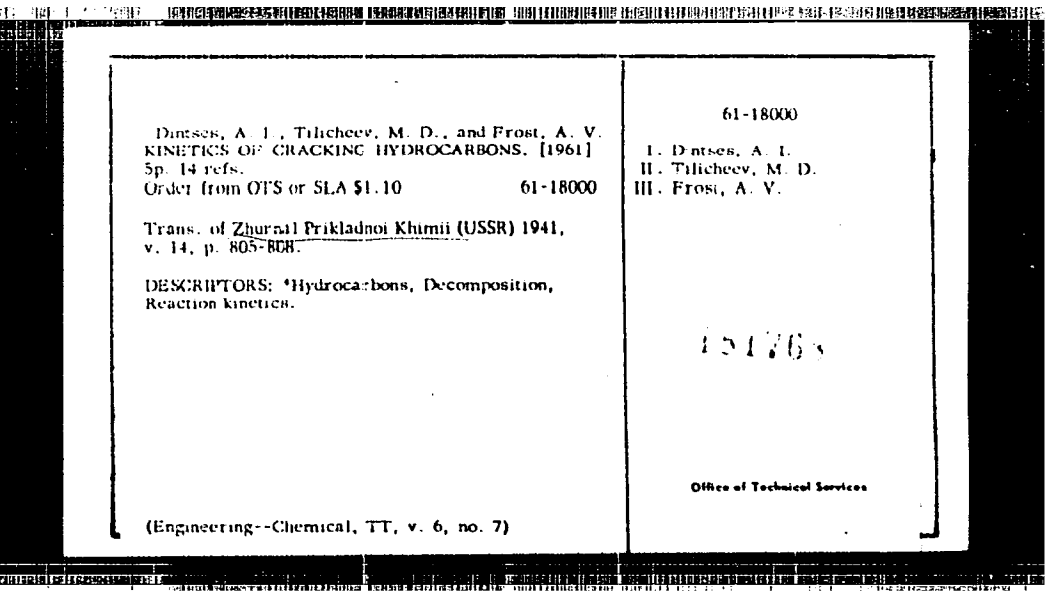

Dintses, A. I., Tilicheev, M. D., and Frost, A. V.
KINETICS OF CRACKING HYDROCARBONS. [1961]
5p. 14 refs.
Order from OTS or SLA $1.10 61-18000

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 805-808.

DESCRIPTORS: *Hydrocarbons, Decomposition, Reaction kinetics.

(Engineering--Chemical, TT, v. 6, no. 7)

61-18000

I. Dintses, A. I.
II. Tilicheev, M. D.
III. Frost, A. V.

Office of Technical Services

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Methods for Synthesis of Acetylfluoride and Its Derivatives. I. Fluoranhydrides of Carbonic Acids, by A. I. Mashentsev, 20 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XIV, No 6, 1941, pp 816-826.

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CTS 70/Jul 55

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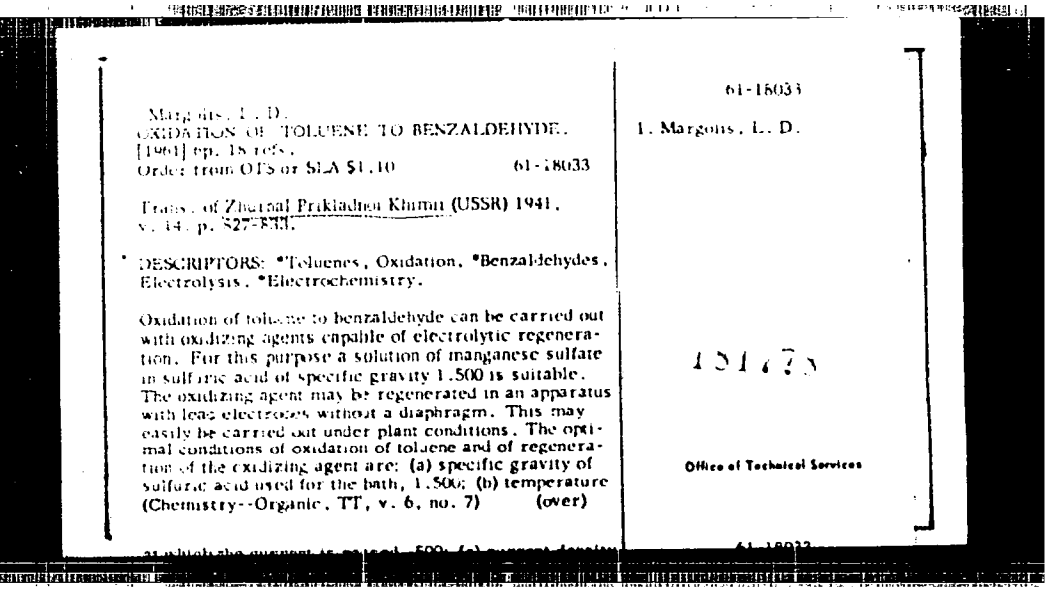

Margolis, L. D.
OXIDATION OF TOLUENE TO BENZALDEHYDE.
[1961] pp. 18 refs.
Order from OTS or SLA $1.10 61-18033

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 527-533.

DESCRIPTORS: *Toluenes, Oxidation, *Benzaldehydes, Electrolysis, *Electrochemistry.

Oxidation of toluene to benzaldehyde can be carried out with oxidizing agents capable of electrolytic regeneration. For this purpose a solution of manganese sulfate in sulfuric acid of specific gravity 1.500 is suitable. The oxidizing agent may be regenerated in an apparatus with lead electrodes without a diaphragm. This may easily be carried out under plant conditions. The optimal conditions of oxidation of toluene and of regeneration of the oxidizing agent are: (a) specific gravity of sulfuric acid used for the bath, 1.500; (b) temperature (Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18033

L. Margolis, L. D.

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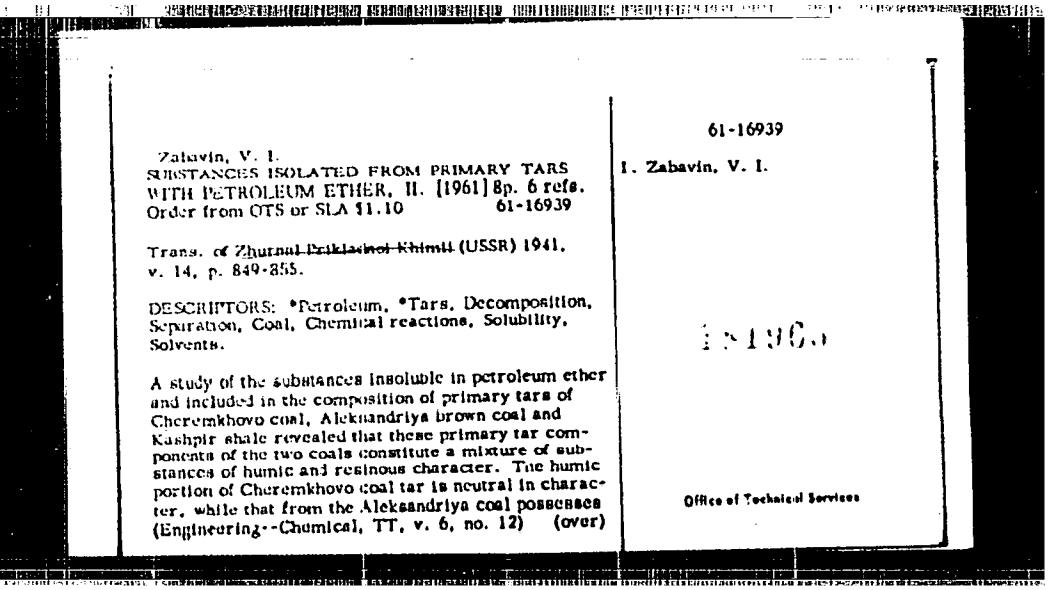

Zabavin, V. I.
SUBSTANCES ISOLATED FROM PRIMARY TARS WITH PETROLEUM ETHER, II. [1961] 8p. 6 refs.
Order from OTS or SLA $1.10 61-16939

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 849-855.

DESCRIPTORS: *Petroleum, *Tars, Decomposition, Separation, Coal, Chemical reactions, Solubility, Solvents.

A study of the substances insoluble in petroleum ether and included in the composition of primary tars of Cheremkhovo coal, Aleksandriya brown coal and Kashpir shale revealed that these primary tar components of the two coals constitute a mixture of substances of humic and resinous character. The humic portion of Cheremkhovo coal tar is neutral in character, while that from the Aleksandriya coal possesses (Engineering--Chemical, TT, v. 6, no. 12) (over)

61-16939

I. Zabavin, V. I.

1961

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Equilibrium Diagram for the System $CaO-SiO_2$, by K. K. Kolobova, 17 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, 1941, pp 928-938.

SLA R-2244

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72,186

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Klochko, M. A. and Medvedeva, Z. C.
USE OF PALLADIUM IN ELECTROLYTIC COATINGS.
23 Jan 46, 18p. (figs. tables refs. omitted).
Order from OTS or SLA $1.60 62-20273

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1942, v. 15, no. 1/2, p. 25-46.
An abstract trans. is available from OTS or SLA $1.10 in 61-20333 [1961] 4p.

DESCRIPTORS: *Palladium, *Electroplating, Coatings, *Finishes, Palladium compounds.

Studies were made of the conditions for the securing of lustrous and dense Pd deposits from palladous chloride and chloro palladates of sodium, potassium and ammonium, as well as from the solutions of the complex Pd compounds containing the groups: NH_3, PO_4, NO_2 and Cn.
(Metallurgy, TT, v. 9, no. 9)

62-20273

I. Klochko, M. A.
II. Medvedeva, Z. C.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

61-20334

JOURNAL OF APPLIED CHEMISTRY, 1942, VOL. 15, NO. [illegible] [TABLE OF CONTENTS] AND SELECTED ABSTRACTS. [1961] 8p. 18 refs.
Order from OTS or SLA $1.10 61-20334

Abstract trans. of Zhurnal Prikladnoi Khimii (USSR) 1942, v. 15, no. 3, p. 101-104, #128-150, 164-171, 175-181.
#Complete translations are available separately.

DESCRIPTORS: *Chemistry, *Bromine, Sources, Catalysis, Dehydrogenation, *Butenes, Butadienes, Reduction, Decomposition, *Cyclohexanes, High temperature research, Catalysts, Metals, *Anthracenes, Sulfonic acids, Solubility, Salts, *Fuels, Carbonization, Fluidized solids.

Contents:
Some new sources of bromine, by I. G. Druzhnin (Chemistry, TT, v. 7, no. 1) (over)

I. Title: Solubility ...
II. Title: Carbon ...

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Balandin, A. A., Zelinskii, N. D. and others.
CATALYTIC DEHYDROGENATION OF BUTENE TO BUTADIENE UNDER REDUCED PRESSURE. [1961]
11p. 15 refs.
Order from OTS or SLA $1.60 61-16636

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1942, v. 15, p. 128-138.

DESCRIPTORS: *Butadienes, Dehydrogenation, *Butenes, Chromium catalysts.

Research on dehydrogenation of 1-butene to 1,3-butadiene was continued by employing a pressure of 180 mm and two chromium catalysts. The effect of the contact period and the temperature were systematically investigated. Occurrence of two consecutive reactions was established consisting in formation and decomposition of butadiene. The highest yield of butadiene was obtained at 592° and a rate of flow of 2,000 liters per liter catalyst per hour. This yield amounted to 29% on the
(Chemistry--Organic, TT, v. 6, no. 6) (over)

61-16536

I. Balandin, A. A.
II. Zelinskii, N. D.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Balandin, A. A. and Kotelkov, N. Z.
DEHYDROGENATION AND DECOMPOSITION OF CYCLOHEXANE AT HIGH TEMPERATURES OVER METALLIC CATALYSTS. [1961] 14p. 19 refs.
Order from OTS or SLA $1.60 61-16919

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1942, v. 15, p. 139-150.

DESCRIPTORS: *Cyclohexanes, Dehydrogenation, Decomposition, Catalysts.

Catalytic dehydrogenation and decomposition of cyclohexane was investigated at 300-600° over electrically heated coils of nichrome, platinized nichrome, palladized nichrome, iron and chromium-plated iron, using a specially constructed appiratus distinguished by a number of advantages over the conventional catalytic equipment. Kinetic data for these reactions were obtained and a hypothesis of dendritic deposition of carbon, based on the multiplet theory of catalysis, is suggested as an explanation of the data obtained. (Author)

61-16919

I. Balandin, A. A.
II. Kotelkov, N. Z.

Office of Technical Services
(Chemistry--Organic, TT, v. 6, no. 7)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Shostakovskii, M. F. and Bogdanov, I. F.
POLYMERIZATION OF SIMPLE VINYL ETHERS. I. VINYL BUTYL ETHER. [1963] [21p] (figs omitted) 10refs
Order from OTS or SLA $2.60 63-20173

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1942, v. 15 [no. 4] p. 249-259.
Abstract trans. is available from OTS or SLA $1.60 in 61-20333 [1961] 14p.

DESCRIPTORS: *Vinyl radicals, *Butyl radicals, *Ethers, *Polymerization, Catalysts, *Iron catalysts, Chlorides, Purification, Density, Refractive index, Viscosity.

(Chemistry--Organic, TT, v. 10, no. 12)

63-20173

I. Title: Vinyl Butyl ethers
I. Shostakovskii, M. F.
II. Bogdanov, I. F.
III. Title: Vinyl . . .

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Synthesis and Properties of Aryl Vinyl Ethers, by M. F. Shostakovskiy, M. S. Burmistrova, 11 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XV, No 4, 1942, pp 260-266.

Sci Tr Center RT 3601

Scientific - Chemistry 36/136

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Decomposition of Phosphorites by a Mixture of Sulfur Dioxide and Nitrogen Oxides, by G. A. Yakovkin, 15 pp.

RUSSIAN. per, Zhur Prik Khim. Vol XV, 1942, pp pp 275-289.

SLA R-2884

Sci

Jul 59

92, 644

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

On Catalysts for the Reaction of Formation of Carbon Bisulphide from Elements, by L. Ya. Markovskiy, N. Khoroshkova, UNCLASSIFIED

RUSSIAN, per, Zhur Prik Khim, Vol XV, No 5, 1942, pp 290-301

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Indian National Sci Doc Center, Natl Physical Lab of India, Hillside Rd., New Delhi-12, India

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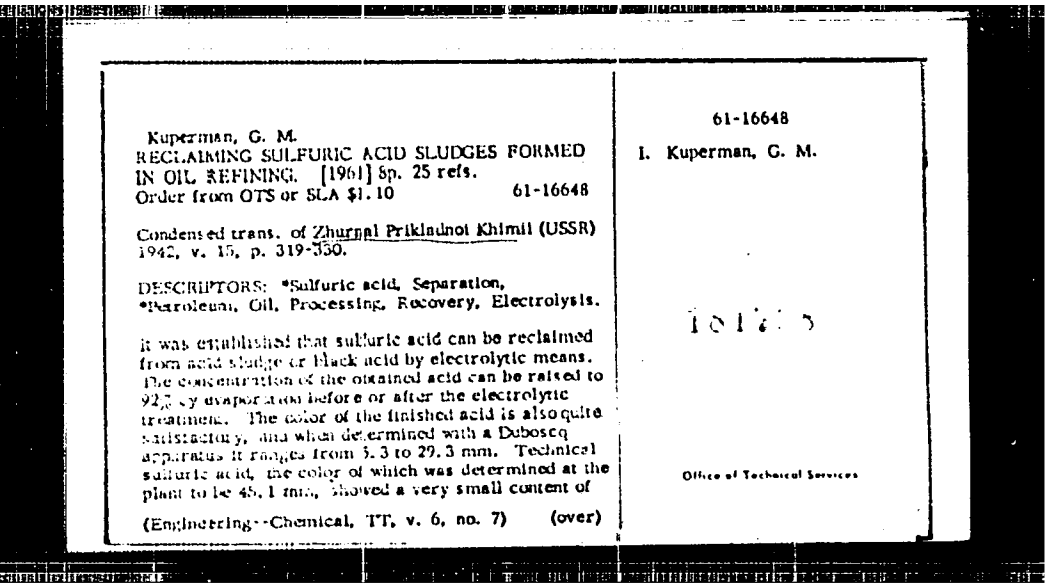

Kuperman, G. M.
RECLAIMING SULFURIC ACID SLUDGES FORMED IN OIL REFINING. [1961] 8p. 25 refs.
Order from OTS or SLA $1.10 61-16648

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1942, v. 15, p. 319-330.

DESCRIPTORS: *Sulfuric acid, Separation, *Petroleum, Oil, Processing, Recovery, Electrolysis.

It was established that sulfuric acid can be reclaimed from acid sludge or black acid by electrolytic means. The concentration of the obtained acid can be raised to 92% by evaporation before or after the electrolytic treatment. The color of the finished acid is also quite satisfactory, and when determined with a Dubosc q apparatus it ranges from 5.3 to 29.3 mm. Technical sulfuric acid, the color of which was determined at the plant to be 45.1 mm, showed a very small content of

(Engineering--Chemical, TT, v. 6, no. 7) (over)

61-16648

I. Kuperman, G. M.

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Berkengeim, A. M. and Polunina, E. F.
EMULSIFYING LUBRICATING OILS WITH PRODUCTS OF SULFONATION OF SHALE TAR. [1961] 6p.
4 refs.
Order from OTS or SLA $1.10 61-18178

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 345-350.

DESCRIPTORS: *Lubrication, *Oils, Colloids, Sulfonates.

Sodium salts of sulfonic acids prepared from shale tar fractions are a good emulsifier of lubricating oils. In comparison with naphthenesulfonic acids a considerably smaller amount of this agent is required. Preparation of concentrated emulsions can be effected at room temperature, which simplifies the manufacturing process. No alcohol is required for the preparation of an emulsion. The corrosion of steel is completely prevented by adding to the aqueous emulsion up to 0.55% sodium carbonite. (Author)

61-18178

I. Berkengeim, A. M.
II. Polunina, E. F.

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(Materials--Lubricants, TT, v. 6, no. 7)

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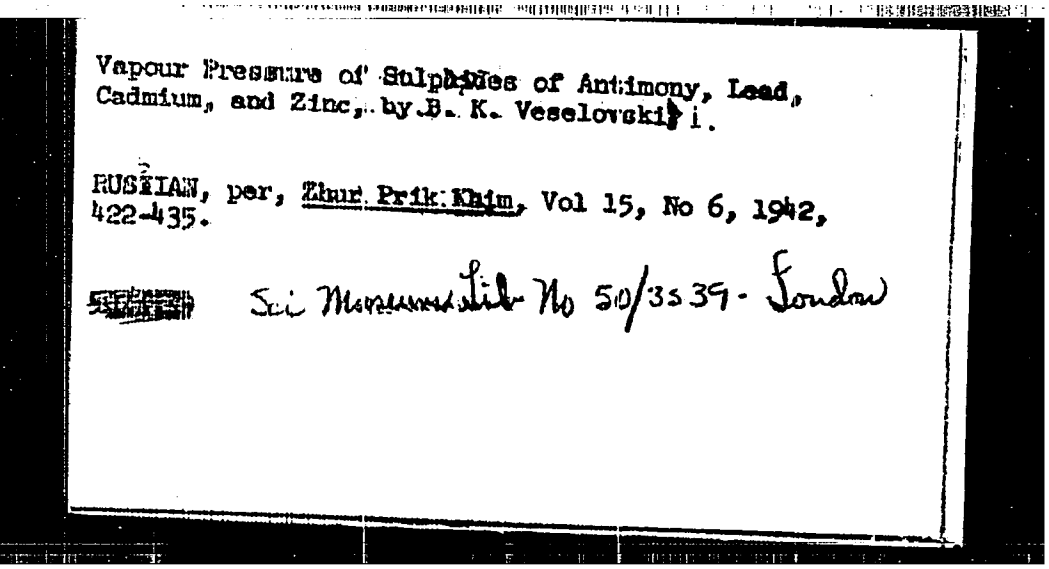

Vapour Pressure of Sulphides of Antimony, Lead, Cadmium, and Zinc, by B. K. Veselovskii.

RUSSIAN, per, Zhur. Prik. Khim, Vol 15, No 6, 1942, 422-435.

[redacted] Sci Monuments Lib No 50/3539 - London

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

Sulphate Nitrophaska I. II. Polytherm of the Reversible Reciprocal System of Sulphates and Nitrates of Potassium and Ammonium, by I. N. Nikonova and A. G. Bergman, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XV, 1942, pp 437-446.

SLA R-2286

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Aug 58

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910074-4

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Kinetics of Reduction of Cu^{++} to Cu^{+} by Carbon Monoxide, in Ammoniacal Solutions, by E. I. Dontsova, UNCLASSIFIED

RUSSIAN, per, Zhur Prik Khim, Vol. 15, 1942, pp 447-452.

Assoc: Tech Ser, RJ-80
Price: $9.50 ($1.20)

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SLA R-2092

Scientific - Chemistry

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